



# NITFS

## Compliance Registration



**Product:** Synthetic Imagery Generation System (SIGS) Version 6.0

**Sponsor:** National Reconnaissance Office

**Developer:** Northrop Grumman

- Initial Registration
- Supplemental/Update #
- Derived from Reg. #

Complexity Level						
NITF 2.1 CLEVEL		3	5	6	7	
Interpret						
Generate						
NITF 2.0 CLEVEL		1	2	3	4	5
Interpret						
Generate						

### Configurations Tested:

- Sun Blade 1000 (Solaris 8)
- Pentium 4 (Windows XP)

### System

N-0105/98, §4.1.1

### Product

N-0105/98, §4.1.2

### Component

N-0105/98, §4.1.3

\*\* NITF 2.0 feature

\* NITF 2.1 feature

### NITFS Features Implemented:

#### Format

- NITF
- v2.1
- v2.0
- v1.1
- NSIF
- v1.0

#### Image Segment Types

- MONO
- RGB
- RGB/LUT
- YCbCr
- MULTI
- NODISPLY
- POLAR

#### Data Extension Segments

- TRE\_OVERFLOW
- STREAMING\_FILE\_HEADER
- Controlled Extensions \*\*
- Registered Extensions \*\*

#### Tagged Record Extensions

None

- Fully implemented
- Partially implemented
- Not implemented

#### Pixel Value Types

- Boolean
- Integer
- Signed Integer \*
- IEEE Real \*
- IEEE Complex \*

#### Image Compression

- Not Compressed
- JPEG Lossy, 8-bit
- JPEG Lossy, 12-bit
- JPEG Downsample
- JPEG Lossless
- JPEG 2000
- Bi-Level
- Vector Quantization
- Multispectral JPEG, Individual Band

#### Annotation Segment Types

- Bit Mapped \*\*
- CGM, 2301
- CGM, 2301A
- Labels \*\*

#### Text Segments

- STA
- UT1
- U8S
- MTF

EDWARD E. BOYLES II, Division Chief  
 Joint Interoperability Test Command  
 Executive Agent to National Geospatial-  
 Intelligence Agency for the NITFS Test and  
 Evaluation Program

Registration does not guarantee that a product will meet all users' requirements. Potential users should evaluate the detailed test results to determine the suitability of a product for the intended use. Optional NITFS features may not be implemented.